

REMARKS/ARGUMENTS

Rejection of claims 1, 3-7 and 12-14 under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 7,136,040 to Park et al.

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Claim 1 recites a display panel having a first scanning band, a second scanning band, a third scanning band, a plurality of data lines, a plurality of pixel units, and a first data driver and a second data driver. Specifically, the first data driver and the second data driver are electrically connected to the data lines for inputting image data into each pixel unit, such that when scanning the first scanning band and the second scanning band simultaneously, the first data driver inputs the corresponding image data into the first scanning band and the second data driver inputs the corresponding image data into the second scanning band, and when the scanning lines of the third scanning band scan in sequence along a third scanning direction according to a second scanning signal, the first data driver and the second data driver input the same image data into each pixel unit positioned in the third scanning band simultaneously.

Claim 15 recites a driving method for a liquid crystal display panel including a first scanning band, a second scanning band, a third scanning band positioned between the first scanning band and the second scanning band, a plurality of scanning lines, a plurality of data lines including a disconnecting point positioned in the third scanning band, a first data driver and a second data driver, and a plurality of pixel units positioned around an intersection point of one scanning line and one data line. The driving method includes the steps of: scanning the first scanning band and the second scanning band simultaneously according to a first direction and a second direction respectively based on a first scanning signal; inputting a corresponding image data from the first data driver into each pixel unit positioned in the first scanning band via the data lines; inputting a corresponding image data from the second data driver into each pixel unit positioned in

the second scanning band via the data lines; scanning the third scanning band in sequence according to a third direction based on a second scanning signal sequential to the simultaneous scanning of the first and second bands; and inputting a same image data from the first data driver and second data driver simultaneously into each pixel unit
5 positioned in the third scanning band via data lines.

Park in Fig. 3 of the cited reference teaches a display panel having a first scanning band and a second scanning band, but does not disclose a third scanning band disposed between the first and second scanning bands. For instance, Park in Col 7 lines 53-57 of
10 the cited reference recites that “when the upper gate driver 310 sequentially supplies the gate-ON voltages to the gate lines in the direction from the bottom to the top, the lower gate driver 320 supplies the gate-ON voltages to the gate lines in the direction from the top to the bottom”. It is evident from the above passage that the display panel taught by Park is only driven by two scanning bands (such as the upper and lower gate line blocks
15 shown in Fig. 3 of the cited reference), in which the two scanning bands are scanned with directions opposite to each other. Park thus fails to teach a third scanning band disposed between the first scanning band (such as the upper gate line block) and the second scanning band (such as the lower gate line block).

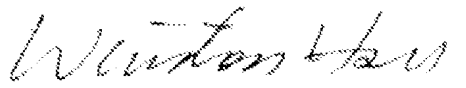
Moreover, Park fails to teach or imply that the scanning lines of the third scanning band are scanned in sequence along a third direction after the first scanning band and the second scanning band are scanned simultaneously. The limitations of “when the scanning lines of the third scanning band scan in sequence along a third scanning direction according to a second signal sequential to the simultaneous scanning of the first and second bands, the first data driver and the second data driver input the same image
25 data into each pixel unit positioned in the third scanning band simultaneously” as recited in claims 1 and 15 of the present invention is clearly not satisfied. Reconsideration of claims 1 and 15 is respectfully requested. As claims 3-7, 12-14, 16, 20-22 are dependent

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upon claims 1 and 15, applicants submit that if claims 1 and 15 are found allowable, claims 3-7, 12-14, 16, 20-22 should additionally be found allowable.

5 Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Sincerely yours,



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